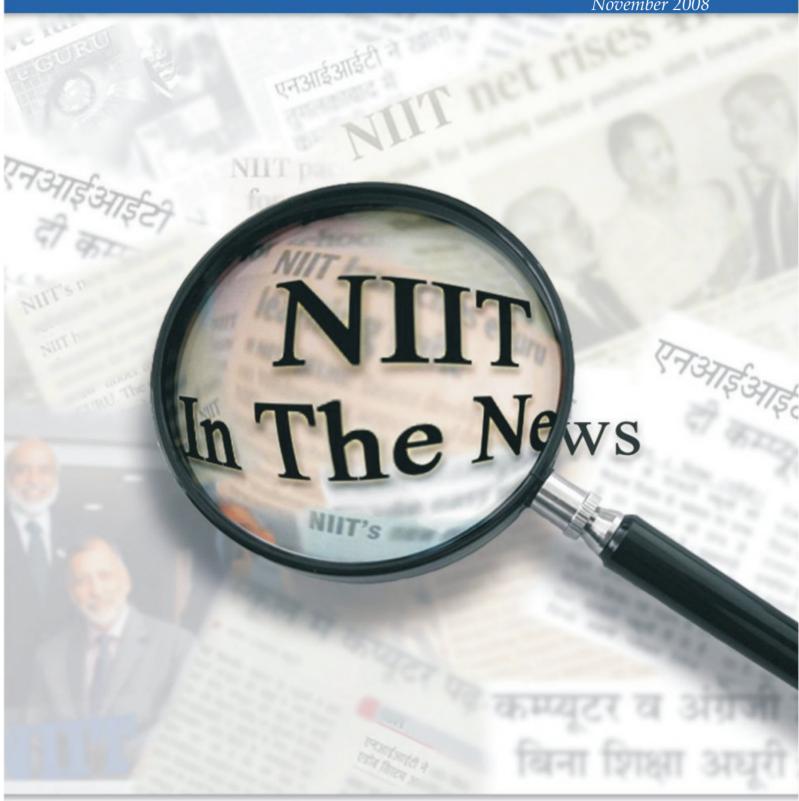




November 2008



























The Indian Express Chennai, November 25, 2008

Indian Express Chennai, November 24, 2008



ANAND MAKES IT MEMORABLE SUNDAY FOR CHI

rowned by children at the CIIMIT Digi Art Festival awards function in Che

The Hindu

Chennai, November 24, 2008

Anand launches II phase of 'iPaint08'

Special Correspondent

CHENNAI: World Chess Champion Viswanathan Anand on Sunday launched the second phase of 'iPaint08' organised as part of 'Kidex 2008' and felicitated the winners of first phase in three categories.

Organised by NIIT and the Confederation of Indian Industry, the first phase of 'iPaint08' received 80,000 entries from schools located in Assam, Meghalaya, Himachal Pradesh, Uttar Pradesh, Punjab, Madhya Pradesh, Andhra Pradesh, Kerala, Karnataka, Tamil Nadu, New

- It is now open for all schools across the country
- Results will be announced on December 28

Delhi and Haryana. L. Balasubramanian, president, NI-IT School Learning Solutions said, "The competition is now open for all schools across the country. The winners of the phase II of the event will be felicitated during Hyderabad chapter of Kidex 2008. December 15 is the last date for uploading paintings on to a specially created site www.niit.com/ipaint and the results will be announced on December 28."

In his address, Mr. Anand urged the young students to make use of technology to express their creativity better. P. Rajendran, NIIT Chief Operating Officer said that the digital painting competition became a huge success due to the Green Initiative, in which paintings were uploaded on to a website and no printouts

were taken. Pradipta K. Mohapatra, Kidex Chairman said CII had been focusing on competitiveness and inclusive growth as thrust areas for rapid socio-economic development. CII-Young Indians (Yi) and the Group for Nature Preservation and Education (GNAPE) also organised a Nature Quiz coinciding with Kidex 2008. The 'GNAPE-Yi Nature Quiz-2008' tested the students on their knowledge of nature, wildlife and environment.

The winners of the competition were awarded trophies on Saturday.

Hindustan Times

Mumbai, November 26, 2008

NIIT introduces six new programmes

NIIT, a talent development corporation trainer, has introduced six new programmes for graduates and final year students seeking a career in Java, net developers, web 2.0., creative publishing, systems and networking, business intelligence and data warehousing. New post-graduate diploma programmes are designed to make students job-ready. The duration will vary from 99 days to up to 200 days.

THE ECONOMIC TIMES

New Delhi, November 19, 2008



RUSSIA INDIA REPORT IN ASSOCIATION WITH ROSSIYSKAYA GAZETA, RUSSIA THE ECONOMIC TIMES WEDNESDAY_NOVEMBER 19_ BOOKMARKS www.kosteniuk.com Alexandra Kasteniuk official website www.365chess.com/players/Viswanathan Anand yares
Anand gares

Sport Russian and Indian Alexandra Kosteniuk and Visvanathan Anand, this autumn won World Chess Champion titles

The global chess stalwarts

Woman of substance

Every morning, she jogs five kilometres. It helps her win, she says. Indeed: under-10 girls world champion, youngest femile Grand Master, Russian champion, world wice-champion, under of the 2008 women's chaes champions, the same shampionship in flatchilk, the list is endless?



vided assistance to young athletes ceased to exist. In some cases, Alexandra succeeded by pure luck. Once she had to go to a big tournament, but the family didn't have the money. So her father took what they had and went to a casino where he won \$1,500, the amount needed.

At 11,Alexandra began making her own money with

ing her own money with chess. She won a tournament in Paris, and decided to stay there with her father for a few days, but they ran out of cash



said: "All chess players complain of declining interest in the sport, and sluggish developments and sluggish developments and sluggish developments. But it is important to understand the reasons for that and to see what we can dote change it. People like to learn about other people. In chess, there are many unusual and unique personalities. I see the interviews as an integral part of my profession." Alexandra also wrote a book, How I became Grand Master, at I4. The kids' chess school, Alexandra is determined to beinvolved in teaching children to play discovers and the play ungra, in Moscour services. I also want to help young talent develop. I want to help the services are the services and the services are the servi

ss school. Alexe kids'chess school, Alex-dra, in Moscow, accepts ung children of three and o. Instruction is based on be unique Kosteniuk meth-odology – Alexandra's younger sister is also a bril-

iant player. Here, chess is seen as a



facts about

Sasha

hotel. So I sat on a bench un-derneath a street lamp, took out my chessboard and chess-clock, and began waiting for someone willing to play with me for stakes."

dubbed Sasha the "Ches Kurnikova", referring to the tennis star. It was a dubious compliment, Kurnikova hadn't won a single impor-tant tournament in her ca rever But pust like Kurnikova Sasha was on the cover of every glossy magazine. It was amazing that a beau-tiful girl culd also play chess When asked about it, she said." All chess players com-plain of declining inter-est in the sport, and

sense of purpose. Children who play chess are more successful at school and more easily adapt in later life. Not all of them will devote their lives to chess, let alone become champions. But playing chess will certainly help them along.
Alexandra is determined to be involved in teaching children chess later." Howe teaching young children to play chess. I also want to help young talent develop. I want to create an encouraging environment for them, something I didn't have, "she says.

wourte chesspiece, Sasha al-ways says the pawn. Al-though small and insignifi-cant at the beginning of the game, it can rise to be the queen towards the end. It sometimes happens in life,

Vishy, India's pride and glory

Vishvanathan Anand is well known for seldom losing his temper. However, even that is possible. On at least one occasion, recently, he nearly blew his top. That was when he was referred to as 'the fladras Tiger', not for the first time, by the way.

he fumed.
Vishy has been a resident of a small neighborhood in Spain's capital for many years, so 'the Madrid tiger' would be a more appropriate nickname. Well, maybe not a tiger, but he certainly has sharp claws, as Russia's Vladimir Kramnik found out to his cost when he lost the battle for the crown of the chess world this October by 4.5 points to 6.5. In Garry Kasparov's opinion, Anand was at his very best in this match: "With the exception of loss of concentration in Game 10, he played consistently in his vintage style. His choice of 1.44 for his first move was very smart. It gave Anand an upper hand and made Kramnik work hard over the board Vishy was totally in control in this debut...As the state of the control

him. It will be difficult for the younger generation to nim. It will be difficult for the younger generation to overtake him," the 12th world champion is quoted as saying by the Chessninja. com site. Vishvanathan Anand en-deared himself to Russian chess fans a long time ago by his brilliant and uncompro-

mising play, and also his 2003,2004 and 2007).Voting openness, modesty and is organised by the Russian openness, modesty and a toganised one charm. Anand likes going to charm alout likes going to Russia, a country he has visited many times. His first visit was in 1992 or thereabouts, when he shared first place in the Alekhine Superplace in the Alekhine Supers

Tournament. It is not by chance that Anand has won five chess 'Oscars', Player-of-the-Year prizes (1997, 1998,

experts from all over the world take part, nearly half of the respondents are chess players and journalists from Russia. Anand is a wise Oriental

Anand is a wise Oriental man who eschews conflicts. Kasparov is a rebel who strives to change the whole; he was constantly dueling with individual chess players and the International Chess Federation (FIDE) before switching to politics. Anand is far more preoccupied with developing and improving himself while taking a philosophical approach to the problems a comes across. The Indian grand master has a solid margin of strength in the person of his charming wife Aruna, who is his manager, a kind angel who accompanies him to all the fourmements. When the chess gets tough for he rhusband, she nestles in the corner of the room with a book in her lab.

him to keep calm and confi-

Vishy Anand is a man in his prime, he will be 39 on De-cember 11. There is a big crop of young chess talent brought up on computer chess, but Anand is in no mood to sur-

render.

According to experts, he has never been so strong (as Kramnik would surely confirm). In his native India, the birthplace of chess, Vishy's success has brought about a veritable chess boom. Suffice it to say that the world under 20s champions, Harika Dronavalli and Vishal Sareen, are both from India. In the children's world championships for the 8 to champions hips for the 8 to champ





The Times of India

New Delhi, November 10, 2008

Rajasthan to get NIIT university

BY K.S. ANANDAN

CHENNAI

Nov 9: NIIT, a global talent development company and Asia's largest IT training provider with presence in 40 countries, will set up a university in Rajasthan with an investment of Rs 300 crore- Rs 400 crore.

"NIIT University is under construction at Neemrana, near Alwar in Rajasthan and will likely be open for admissions by 2009-10 academic year," said Mr Vijay K. Thadani, chief executive officer.

NIIT, which offers training and knowledge solutions to over 5 million students across the globe, has kicked off the university with an initial capital of Rs 80 crore. When it is fully developed in the next two-three years the company will be spending Rs 300 crore - Rs 400 crore for the university. Eminent educationist Prof. M.P. Kapoor is the project director of the university.

The university, coming up on 75 acres of land, will offer courses in four streams --information technology, biotechnology, education technology and management.

"We want to make a big difference in the higher education space. The university will be highly research-oriented. We have picked emerging areas where the university can make a big difference. We have leadership position in information technology and IT education comes to us naturally. We believe that biotechnology is another area India has enormous potential in," he said.

"Unfortunately, education technology is not a subject a lot of investment goes in. The courses in education technology will teach how to deliver education more efficiently. Fourthly, we will have management courses in all streams."

The university will be research-based.

Its Master's programmes will commence before the Bachelor's programmes.

The company is trying to speed up the construction work. The first set of buildings and other infrastructure will be ready before the next academic year.

He said the company

He said the company would add 10 per cent capacity every year for the next five years in its overseas training centres in 39 countries, with focus on China, Vietnam, and Nigeria. NIIT has 175 centres in China, 19 in Vietnam and 31 centres in Nigeria.



The Hindu Business Line

New Delhi, November 28, 2008

NIIT, Adobe tie-up to offer multimedia course

Our Bureau

New Delhi, Nov. 27
IT training company NIIT together with Adobe on Thursday announced the launch of its e-GURU Web and multimedia curriculum for school students

The curriculum would cover the Adobe Creative Suite Master Collection, which would include – Photoshop, Illustrator, Flash, Premiere, Encore, Soundbooth, AfterEffects, Fireworks and Dreamweaver.

The curriculum is aimed at standard 6th to 12th, and would be optional for students. It is targeted at offering students – who aspire for a career in domains such as Web site designing, video editing and sound editing – an early access to professional creative tools.

"The NIIT e-GURU Web & Multimedia curriculum for school children, based on Adobe Creative Suite of Products, will offer a blend of multimedia applications, technology, communication technology and also soft skills for students who are aspiring to be multimedia profession-als," Mr L Balasubramanian, President, School Learning Solutions, NIIT said at a conference. He said the company would reach out to schools in a phased manner starting with 50-100 schools in the first year.

NIIT had entered into a global alliance with Adobe in October 2007 to create talent pool for design, Web, mobile and interactive media, for professionals.

The Times of India

New Delhi, December 1, 2008

Multimedia in curriculum

TIMES NEWS NETWORK

TWO students from Scindia School, Gwalior, were absorbed by a radio station immediately after their class XII exams. The students were selected for their 'sound-editing' skills that they acquired in school itself.

This programme is part of the school's pilot project that is six years old, and has now been formally launched in schools across the country. Class VI onwards, a perfect blend of multimedia applications, web technology, communication technology and also

soft skills would be provided to students who are aspiring to be world class multimedia professionals.

This web and multi-media curriculum in India is an NIIT and Adobe initiative. The 'vocational curriculum' covers Adobe Creative Suite Master Collection, which includes Photoshop, Illustrator, Flash, Premiere, Encore, Soundbooth, AfterEffects, Fireworks, and Dreamweaver to mention a few.

Says Gautham More, the technology head with NIIT and co-ordinator, Scindia School, "The feedback has been great. Most students readily opted for this 'additional' programme. This programme is likely to be especially beneficial for students who want to start their own ventures right after school"

L Balasubramanian, president, School Learning Solutions, NIIT, says, "To begin with, we are targeting 3,000 schools across India. The cost of pursuing this additional curriculum will be Ps 60 per month per student"

be Rs 60 per month per student."
As to the kind of skills that need to be imparted today, Sandeep Mehrotra, director-sales, Adobe India, says, "We are focussing on technology literacy, and trying to nurture creative thinkers along with effective communicators and critical thinkers."

The Financial Express

Mumbai, November 18, 2008



Left to right: Ashok Leyland managing director R Seshasayee, Manpower chairman and CEO Jeffrey Joerres, minister of commerce and industry Kamal Nath, CII president KV Kamath and NIIT group chairman Rajendra S Pawar at the India Economic Summit, 2008 in New Delhi on Monday

Pioneer

Lucknow, November 26, 2008

NIIT launches infrastructure mgmt course

Lucknow: The NIIT has launched a new course coined 'Global Net Plus' to cater to a large number of career avenues in the field of infrastructure management. According to NiIT national product head Ajay Alva, the Global Net Plus course module is based on the industry guidelines and the students would be trained in WAN, operating system deployment beside Microsoft and CISCO certified courses. Admissions to the course will be made on the basis of entrance test and the minimum qualification required for appearing in it is 10+2 in any stream. The course duration will be of 550 hours and would cost around Rs 65,000. Regional Manager (North) of NIIT, Sanjay Srivastava said, "Infrastructure management had become a requirement for every company."

The Times of India

New Delhi, November 17, 2008

SERVICE ENDORSED

NIIT recently announced the endorsement of the Test of English for International Communication (TOEIC) test by leading corporations throughout India. Through NIIT's first nationwide TOEIC test administration, 24/7 Customer, Genpact, Inventurus and Wipro participated in a benchmarking exercise of their employees' communication skills. This benchmarking exercise was also envisaged to help corporations set acceptance standards while recruiting and aid in monitoring improvement of communication skills of employees as they undergo training. Offered in 90 countries around the world, the TOEIC test is used by more than 9,000 corporations, educational institutions and government agencies.

Hindustan Times

Jaipur, November 12, 2008

CAREER FORUM

Test time

Take TOEIC if applying for jobs in BPOs and multinationals worldwide

Cara Gupta Sarkar

Testing Services (ETS), Test of English for International Communication (TOEIC) has been set as a standard for evaluating reading, writing and speaking skills in English. While ETS also authorises and conducts TOEIC, it is also known for administering tests like the TOEFL, GRE and SAT. However, unlike TOEFL, which is required to get into foreign universities, TOEIC adds to your credibility while applying for jobs in BPOs and multinational companies worldwide.

In an attempt to introduce the



test in India, so that a standard could be set for English in the rapidly growing outsourcing sector, ETS has tied up with NIIT for conducting the test exclusively. The test will be conducted once a month and results will be available within a week after the test date. The total cost of the test is estimated at around Rs. 2495. "Results will be accompanied with a certificate that will be accepted in more than 9,000 companies across the globe including the United States, Europe, Cht-na, Korea and Japan," says Ashish Basu, President, New Business Incubation, NIIT.

The test, divided into two categories, includes listening, reading, writing and speaking. It is a 990 marks test and any score above 600 is considered good.

Financial Chronicle

Hydrabad, November 11, 2008

NIIT plans to extend school learning applications

S SHYAMALA

Chennai

IT TRAINING major NIIT plans to extend its school learning applications to education boards other than CBSE. The School Learning Solutions division is growing at the rate of 40 per cent year-on-year and the company expects to pull in revenue of Rs 150-crore.

Vijay K Thadi, chief operating officer of NIIT said: "The CBSE Board has mandated schools to adopt additional training tools such as NIIT's Math Guru. This has created a huge opportunity for us. Other boards are also in the process of mandating such training applications. Schools buy point solutions such as the Math Guru and that is the starting point of automation. We expect most of them to start adopting our comprehensive school management solution."

NIIT has tied up with software product company Infospectrum to offer endto-end solutions for schools. The QuickSchool ERP (Educational Resource Planning) package includes all functions including fees, staff payroll, examination and attendance. "NIIT is now a com-

pletely integrated solutions provider for schools," said L Balasubramanian, president of the company's School Learning Solutions division. "We believe the school segment is productdriven and we want to make ERP its engine for growth," he added.

The solution is targeted at all those who have a stake in education—teachers, students, parents and school administrations. It consists of a teacher development programme, class solution for subjects, infrastructure consultancy, school ERP and collaboration.

"We have won at least five orders since the tie-up in July All the projects will go live from January before the next academic year. The Learning Solution Division's current order book size is about Rs 300 crore," Balasubramanian added.

The basic version of the ERP product will cost about Rs one lakh, which will cover in-school functions alone. Medium and higher versions can be customised to include hostels and other non-core school departments.

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The Times of India

Chandigarh, November 3, 2008



TOP COACH

NIIT, has once again been conferred the 'Top Training Company Award

2008' by Cybermedia, an ICT (information and communication technology) media publishing group. NIIT has received this award for its talent development initiatives across the world, in the year 2007-08. As per an annual IT industry survey conducted by an IT magazine, NIIT has consolidated its leadership position in the Indian IT training industry and is now almost double the size of combined revenues of the next four players put together. Vijay K Thadani, chief operating officer, NIIT received the trophy at an award function organised by the Cybermedia group, in the capital recently.

Dataquest

National, November 30, 2008



IT's a Habit: Vijay Thadani of NIIT accepts the best IT trainer award, again, from Pradeep Gupta

■ Top Training Company Award: NIIT NIIT has been the training leader from the beginning, retaining 35% share of a rather fragmented market—with training revenues of over Rs 900 crore, growing at 27%. It also completed a decade in China, where it is growing consistently.

The Hitavda

Nagpur, November 25, 2008

NIIT striving for skill devpt: Pawar

■ Business Bureau

RAJENDRA Singh Pawar. Chairman and Co-Founder, NIIT Ltd., while addressing a gathering of professionals at Hotel Tuli International, said NIIT has taken up some challenges thrown at them by the Government to propel the growth of the country, focused mainly on skills development of its workforce. He said that in the year 1998, Atal Behari Vajpayee, as Prime Minister then, had set a stretch target of achieving 50 billion dollars worth of software and IT services exports and 50 billion dollars worth IT related services in the domestic market. The figures achieved by the country this year are 40 billion dollars worth export and 10 billion in the domestic market. He said NIIT Global has trained 5 million students in over 40 countries so far.

Pawar said "Despite the country having the advantage of having half the population under 25 years of age unlike countries like USA, Europe, China and Japan, the country has not tapped its potential. These developed countries have a crunch of 50 million skilled manpower, whereas India has a surplus of even number which could be used to the countries advantage but the required skills are not there in our country". He added, the wages in India have shot up recently making the country uncompetitive in most of the areas.

Pawar said NIIT has taken some



Rajendra Singh Pawar, Chairman and Co-Founder of NIIT addressing gathering while Director Rina Sinha looks on.

initiatives towards 'Inclusive Growth' such as Bahvishya Jyoti Scholarship in Nigeria in the year 1991 wherein 20 thousand scholarships were granted. Similarly in 1999 remote villages in Tamil Nadu, which were inaccessible were connected with computers with the help of NIIT. Such villages had not seen power and telephones before. This initiative was scaled up to 8 million children in 10 thousand schools with 62, 000 computer terminals. Similarly NIIT has initiated a non profit Society to set up a training facility, in Chhindwada with multiple stake holders like Cisco, Dell, Intel to aid local Government in imparting computer related knowledge and BPO services, to the local youth and securing employment for them. The success of this initiative has led NIIT to transfer the learning's to 20 villages in Tuglakabad near Delhi, identified for developing the skills in the retail sector, with the help of Abhas, an NGO.

Other initiatives include 'Kiosk in School' for which 1500 schools in Chhindwara have been identified. 'Hole in the wall' is an out of the box experiment implemented by NIIT, outside its R&D centre in Delhi, where a computer with a hidden camera captures the learnings of rural children. Earlier Pawar was welcomed by Rina Sinha, Director, Orangecity Education and Training Services P Ltd., a licensee of NIIT.

Express Computer

National, November 10, 2008

COVER

Are the trained employable?

Vinita Gupta reports on the challenges faced by the software training industry and the training modules that are currently in demand



ith the current slowdown in the global economy, the Indian IT industry is feeling the effects of recessionary trends and it has put the brakes on fresh recruitment. Today the top 15% of engineering graduates are employable. The next 25% can remedy their skills with sharp, focused inputs delivered by industry professionals. However,

the bottom 60% of graduates are going to find it tough going, especially in the current situation.

The IT training industry has grown at the rate of 31% and the training market was worth Rs 2,804 crores in FY 07, up from Rs 2,135 crores in the previous fiscal. With the slowdown, starting salaries are likely to drop to around Rs 15,000-20,000

per month. This will make it comparable with other industries.

Retail vs. corporate training

A fresh graduate is not ready for employment but the training provided by the industry makes them job ready. Not everybody gets a job easily and preparation is important. Apart from formal engineering education, people now looks at skill and professional training.

Corporate training is widespread from basic IT literacy to higher-level IT skills for a particular employee or organization. For instance, a government organization wants to train its employees on Microsoft Office. Hence, there is a huge difference between retail and corporate training.

Although both instructor-led training and e-Learning are used depending on the subject and individual capability instructor-led training is preferred in the retail training industry. For corporate training, the mode depends on the organization.

G Raghavan, President, Individual Learning Solutions, NIIT, said, "We also provide professional life skills training to the students as a part of our program. Today the students want to prepare themselves so that companies will absorb them. Companies do not want to spend money on training their employees, if they are already getting trained people. We have a division which provides enterprise training solutions to organizations, and have many clients in India and overseas."

The lack of employable talent is a major malaise of the IT industry. Madhu Murty, CEO, Primora mentioned that the industry is spending more than \$1 billion on internal training, mostly on training freshers. "Engineers in the western world are deployed after two weeks. There is a comfortable supply, but the quality is lacking. Primora is addressing the industry talent gap problem in the software testing area," added Murty.

Romit Dasgupta, Director, Globsyn Group felt that the contours of the training industry has changed post the bursting of the Internet bubble in 2000-2001, when the industry

> peaked with revenues upwards of Rs 594 crores. With the dominance of IT majors such as Infosys, Satyam, Wipro TCS, etc., majority of technol-ogy training gets conducted in-house and the vendor-addressed market stands at 30% of the domestic training market. Large training players have diversified their training business and expansion has taken place primarily in Asia and Africa insulating the sector from the US downturn.

Training modules

It is crucial for the software training industry to ensure that the syllabus is in tune with the business requirements of IT enterprises so that they can provide training to their stu-dents in those particular technologies.

"In retail training we partner with leading technology companies and work closely with them to keep our-selves up-to-date with the latest technology. Also, whenever a new technology comes, we cannot just start providing training for it, we have to look at its relevance," said Raghavan. Currently infrastructure management, software engineering, BI and information systems are in demand. Infrastructure database management like storage and networking management are growing areas and it needs lot of capable people to manage huge infrastructure business, especially remote infrastructure management.

Murty revealed that there is a need for more than 30,000 testers over the next one year. Specialists in languages like Python, Ruby with experience in Open Source development are still finding jobs even in this tough market. Of course, Java and Net are still in demand, but students need to be Sun or Microsoft certified if their resume has to be shortlisted. To learn about the latest technologies, Primota actively reviews the curricu-lum with their clients who do campus recruitment and invites industry professionals to deliver guest lectures

Dasgupta added, "Dedicated training organizations have in-house Research and Development teams, who consistently keep in touch not only with the rapidly evolving technology landscape but also with corporate training clients to keep abreast with the latest technologies and project management

Shortcomings the software training industry suffers from

Lack of good faculty

Topics in demand

are infrastructure

Business Intelligence

and information

management,

engineering,

software

systems

- Content and delivery standardization, with dedicated measures on training efficacies
- The training industry is not in harmony with real practices in the IT industry



G Raghavan

Students today want to prepare themselves so that companies will absorb them, as organizations do not want to spend money on training employees



Romit Dasgupta

Emerging technology and certificationbased technologies are predominantly in demand in the retail segment. In the corporate arena, the technologies that organizations have ongoing projects on dictate technology training

Top three software training needs

- Training in niche and emerging technologies
- Industry-ready and quality-based training for freshers
- Certification-based training

practices being used."

Emerging technology and certification-based technologies are predominantly in demand in the retail segment, including operating systems such as Red Hat Linux, RDBMS such as Oracle, Microsoft's .Net framework, Advanced Java, etc. In the corporate arena, the technologies that organizations have ongoing projects on dictate technology

Challenges faced

industry is largely restricted to big cities such as Bangalore, Mumbai, Delhi and Noida. There is not much

The growth of the Indian software



Madhu Murty

The training industry is still at some distance from real practices in the IT industry. For e.g., training institutes do not teach test driven development, using version control tools and doing code reviews

happening in Tier 2 and Tier 3 cities.

Murty pointed out that the training industry is still at some distance from real practices in the industry. Most trainers in training institutes have never played a serious role in the IT industry. For example, training institutes do not teach test driver development, using version control tools and doing code reviews.

He said, "Students claim to have worked on projects, but most stu-dents that we interviewed had not done a hands-on project. Even today, when we ask a fresher how many lines of code he has written in four years, the answer is 300-400 lines of code. Programmers in industry write that much code in a week.'

According to Dasgupta, there is also the need to create relevant professionals; this is the basis of Instructional Research and Design in the technology training industry today. He felt that over the last decade new centers of prominence have come up including Hyderabad, Chennai, Pune, and Kolkata, to add to the existing cities.

With market situations becoming grimmer for the IT industry, companies expect students to do a full-time program of 360 hours along with real projects during their training. Even Nasscom's education initiative is recommending a minimum of 360 hours of training to remediate entry-level engineers who did not get any job during campus placement. 4

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